

Claims

5 1. A fabricated structural component having five substantially planar faces corresponding to five faces of a an elongated rectangular prism, namely an elongated side face, including two longitudinally extending edge margins, two elongated edge faces, and two end faces;

10 wherein each said side face is pierced by a plurality of fastener clearance holes arranged in two straight rows, each extending longitudinally of a respective one of said margins, wherein the holes in each row in said side face have a constant centre to centre pitch distance, wherein the distance from the centre of each end hole in each row of holes in said side face to a respectively adjacent end face of the component is substantially one half of said pitch distance, wherein the distance from the centre line of each row of holes in said side face to a respectively adjacent edge face of the component is substantially one half of said pitch distance, and wherein the centre lines of the rows of holes in said side face are separated by a distance substantially equal to a whole number multiple of said pitch distance;

15 wherein each said edge face is pierced by a plurality of fastener clearance holes arranged in a straight row extending longitudinally of said each edge face, wherein the centre to centre distance between the holes in the row in said each edge face equals said pitch distance, wherein the distance from the centre of each end hole in the row of holes in said each edge face to a respectively adjacent end face of the component is substantially one half of said pitch distance, and wherein the distance from the centre line of the row of holes in said each edge face to the side face of the component is substantially one half of said pitch distance; and

20 wherein each end face is pierced by at least two fastener clearance holes, wherein the distance from the centre of each of said at least two holes in each end face to said side face is substantially one half of said pitch distance and

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30 wherein the distance from the centre of each of said at least two holes in each

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Sub 1/Contd
end face to a respectively adjacent edge face is substantially one half of said pitch distance.

2. A structural component according to claim 1 comprising two
5 identical, elongated angle sectioned elements, each comprising a side flange and
an edge flange, two end plates, each extending from an end of one angle
sectioned element to a corresponding end of the other angle sectioned element
and a plurality of discrete and spaced apart spacers extending between and
10 welded to co-planar side flanges of the two angle sectioned elements, whereby
the two angle sectioned elements are held rigidly together in a parallel, spaced
apart configuration, wherein each side flange constitutes a margin of said side
face of the component, wherein each edge flange constitutes an edge face of the
component, and wherein said end plates constitute the end faces of the
component.

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Sub 1/Contd
3. A structural component according to claim 2 wherein each spacer
is a plate.

4. A structural component according to claim 2 wherein at least one
20 of said spacers is T-sectioned.

5. A structural component according to claim 2 wherein at least one
of said spacers is angle sectioned.

Sub 1/Contd
6. A fabricated structural component, having six substantially planar
faces corresponding to the sides of an ^{elongated} ~~elongated~~ rectangular prism, comprising
^{Claim 1} two single components, each according to ~~any one of the preceding Claims,~~
30 united as a dual component by a plurality of discrete, spaced apart spacer
means, such that corresponding edge faces of the two single components are
spaced apart and co-planar, and wherein the spacer means are such that the

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contd

distance between the centre lines of the rows of holes in each pair of corresponding edge faces is a whole number multiple of said pitch distance.

7. A fabricated structural component according to claim 6 wherein
5 said spacer means further comprise at least one internal cross brace.

8. A structural component according to claim 6 wherein the end faces of the single components at corresponding ends thereof are merged into a single end face at each end of the dual component.

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